

## PROJECT DESCRIPTION

## I. GENERAL

This project involves the modification of an existing Traffic Control Signal at the intersection of MD 214 (Central Ave) and Church Road in Prince George's County. The project includes the addition of exclusive left turn phasing in both directions on MD 214 (Central Ave). MD 214 (Central Ave) is assumed to run an east-west direction.

## II. INTERSECTION OPERATION

- The intersection shall continue to operate in a NEMA six-phase, semi-actuated mode, with the MD 214 (Central Ave) approaches continuing to run concurrently. Exclusive left turn phases shall be provided for both approaches of MD 214 (Central Ave). The Church Road approaches shall continue to run concurrently.
- A fully-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall remain in operation at this intersection.

## III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

## EQUIPMENT LIST "A"

## A. EQUIPMENT TO BE SUPPLIED BY THE SHA

QUANTITY	DESCRIPTION
10 S.F.	SHEET ALUMINUM SIGN -2 EACH R10-10L (24"X30")

## EQUIPMENT LIST "B"

## B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment	1 EA
8000	To be negotiated-Relocate existing signal head	1 EA
8011	Furnish and install 12" vehicular signal head section	18 EA
8048	Remove and dispose of existing material and equipment per assignment	1 EA
8077	Install overhead sign	21 SF
8086	Furnish and install electrical cable-5 conductor (No 14 AWG)	600 LF

## EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE STATE  
HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076.

## QUANTITY DESCRIPTION

ALL REMOVED SIGNAL MATERIALS ARE TO  
BECOME THE PROPERTY OF THE CONTRACTOR

The project contacts are as follows:

Mr. Majid Shakib  
Assistant District Engineer - Traffic  
301-513-7358

Mr. Raleigh Medley  
Assistant District Engineer - Maintenance  
301-513-7304

Mr. Augie Rebish  
Assistant District Engineer - Utility  
301-513-7350

Mr. Richard L. Daff, Sr.  
Chief, Traffic Operations Division  
410-787-7630

Mr. Robert Snyder  
Assistant Division Chief, Traffic Operations  
410-787-7630

Mr. Ed Rodenhizer  
Team Leader Signal Operations  
410-787-7650

Mr. Eugene Bailey  
Team Leader Sign Operations  
410-787-7676

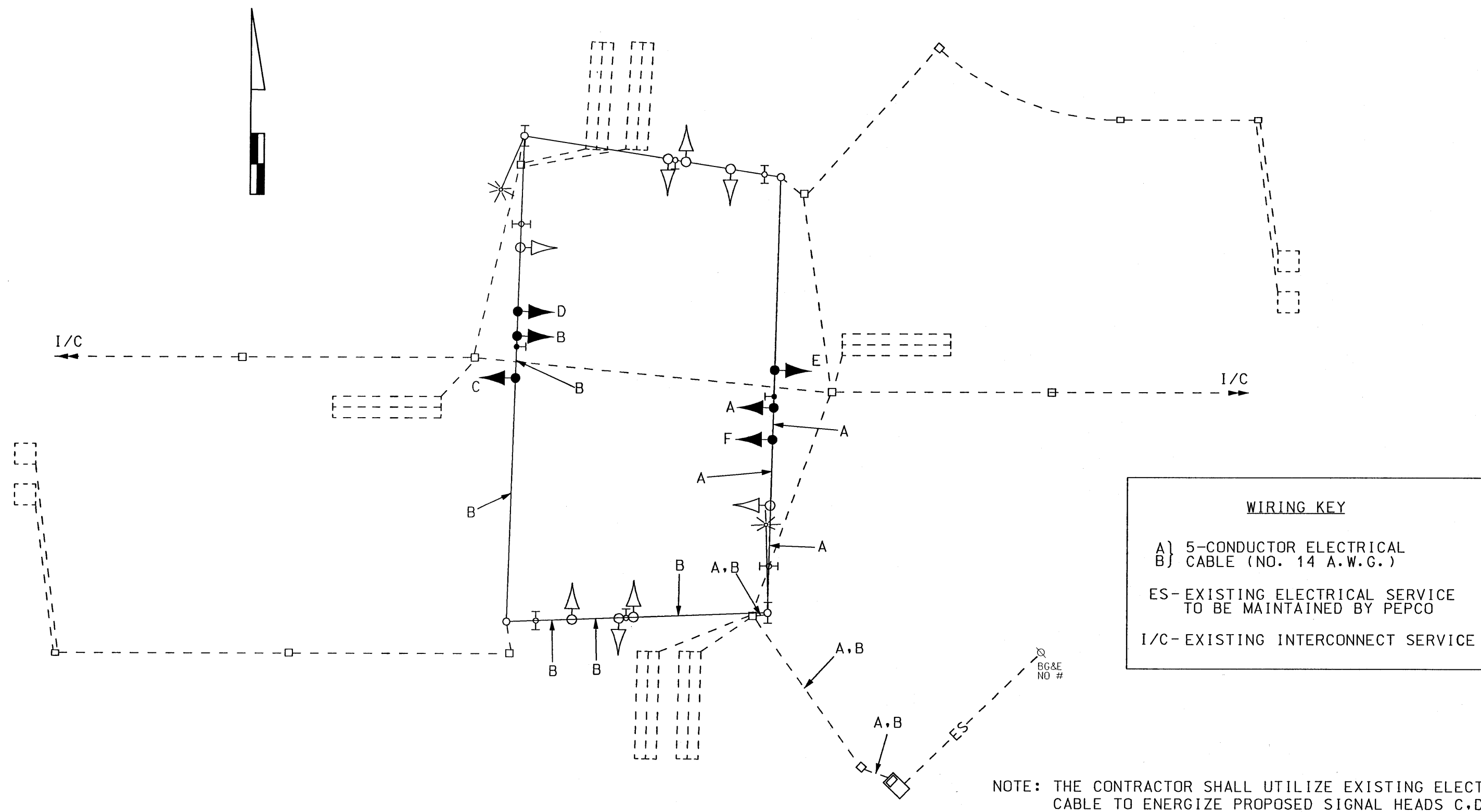
The power company representative:

Mr. Steve Custer  
Potomac Electric Power Company  
301-931-2872

## PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 1 + 5	<G-	<G-	R	R	<G-	<G-	R	R	R	R	R	R	R	R
CHANGES TO PHASES	2 + 5, 1 + 6	OR 2 + 6												
PHASE 1 + 6	<G-	<G-	G	G	<R-	<R-	R	R	R	R	R	R	R	R
1 + 6 CHANGE	<Y-	<Y-	*	*	<R-	<R-	R	R	R	R	R	R	R	R
PHASE 2 + 5	<R-	<R-	R	R	<G-	<G-	G	G	R	R	R	R	R	R
2 + 5 CHANGE	<R-	<R-	R	R	<Y-	<Y-	**	**	R	R	R	R	R	R
PHASE 2 + 6	<R-	<R-	G	G	<R-	<R-	G	G	R	R	R	R	R	R
2 + 6 CHANGE	<R-	<R-	Y	Y	<R-	<R-	Y	Y	R	R	R	R	R	R
PHASE 4 + 8	<R-	<R-	R	R	<R-	<R-	R	R	G	G	G	G	G	G
4 + 8 CHANGE	<R-	<R-	R	R	<R-	<R-	R	R	Y	Y	Y	Y	Y	Y
FLASHING OPERATION	FL <R-	FL <R-	FL/Y	FL/Y	FL <R-	FL <R-	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R
* G IF PHASE 1 + 6 GOES TO PHASE 2 + 6 Y IF PHASE 1 + 6 GOES TO PHASE 4 + 8														
** G IF PHASE 1 + 6 GOES TO PHASE 2 + 6 Y IF PHASE 1 + 6 GOES TO PHASE 4 + 8														

## WIRING DIAGRAM



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic &amp; Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD 214 (CENTRAL AVE.) AND CHURCH ROAD  
BOWIE, MARYLANDRUMMEL, KLEPPER  
& KAHL, LLP

CONSULTING ENGINEERS

81 MOSHER STREET  
BALTIMORE, MARYLAND 21217

TELE: (410) 728-2900 FAX: (410) 728-3160

DRAWN BY: SRM

CHECKED BY: BLB

SCALE: NONE

DATE: 01/15/2003

F.A.P. NO.

S.H.A. NO. XX1065285

COUNTY PRINCE GEORGE'S

LOG MILE 1002.1903.43

T.S. NO.

3322D

T.I.M.S. NO.

F170

SHEET NO.

2 OF 2